BITSTREAM-CONTROLLED POST-PROCESSING FILTERING

ABSTRACT

Techniques and tools for bitstream-controlled filtering are described. For example, a video encoder puts control information into a bitstream for encoded video. A video decoder decodes the encoded video and, according to the control information, performs post-processing filtering on the decoded video with a de-ringing and/or de-blocking filter. Typically, a content author specifies the control information to the encoder. The control information itself is post-processing filter levels, filter selections, and/or some other type of information. In the bitstream, the control information is specified for a sequence, scene, frame, region within a frame, or at some other syntax level.